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Substitute for form 1450 PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	6
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Complete if Known

Application Number	10/655,777
Filing Date	September 5, 2003
First Named Inventor	Thomas L. Beck
Art Unit	2811
Examiner Name	Sayol
Attorney Docket Number	6514

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
BA	AA	US- 3,343,409	09/26/1967	Gibbs	
BA	AB	US- 3,585,484	06/15/1971	Dortort	
BA	AC	US- 3,851,995	12/03/1974	Mills	
BA	AD	US- 3,854,846	12/17/1974	Douglas	
BA	AE	US- 3,915,225	10/28/1975	Swink	
BA	AF	US- 3,918,843	11/11/1975	Douglas et al.	
BA	AG	US- 3,930,752	01/06/1979	Douglas	
BA	AH	US- 3,936,231	02/03/1976	Douglas	
BA	AI	US- 3,938,910	02/17/1976	Douglas	
BA	AJ	US- 3,951,209	04/20/1976	Gibbs	
BA	AK	US- 3,963,374	06/15/1976	Sullivan	
BA	AL	US- 3,965,983	06/29/1976	Watson	
BA	AM	US- 3,998,568	12/21/1976	Hynd	
BA	AN	US- 4,058,757	11/15/1977	Welton et al.	
BA	AO	US- 4,102,394	07/25/1978	Botts	
BA	AP	US 4,118,148	10/03/1978	Allen	
BA	AQ	US- 4,145,161	03/20/1979	Skinner	
BA	AR	US- 4,171,185	10/16/1979	Duke et al.	
BA	AS	US- 4,194,393	03/25/1980	Boley	
BA	AT	US- 4,220,440	09/02/1980	Taylor et al.	

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Date Considered

2/9/06

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Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

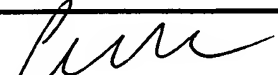
(Use as many sheets as necessary)

Sheet 2 of 6

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Application Number	10/655,777
Filing Date	09/05/2003
First Named Inventor	Thomas L. Beck
Art Unit	2811
Examiner Name	SAYOL
Attorney Docket Number	6514

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
BS	1	GIBBS, S.C.: "Predicting the Behavior of Sucker-Rod Pumping Systems", JPT (July 1983, 769-78, Trans. AIME 228).	
BS	2	GARLOW, M.E.: "Sensorless Estimation of a Sucker-Rod Pump Downhold Dynacard", Unico, Inc., August 12, 2002.	
BS	3	EVERITT, T.A. and JENNINGS, J.W.: "An Improved Finite-Difference Calculation of Downhold Dynamometer Cards for Sucker-Rod Pumps", Paper SPE 18189, SPE Production Engineering (February 1992).	
BS	4	JANSEN, P.L. and LORENZ, R.D.: "Accuracy Limitations of Velocity and Flux Estimation in Direct Field Oriented Induction Machines", Power Electronics and Applications, 1993, Fifth European Conference on, 1993; 312-318, Vol. 4.	
BS	5	LORENZ, R.D. and LAWSON, D.B.: "A Simplified Approach to Continuous On-Line Tuning of Field-Oriented Induction Machine Drives", IEEE Transactions on Industry Applications, Vol. 26, No. 3, May/June 1990.	
BS	6	HASAN, A.R. and KABIR, C.S.: "Fluid Flow and Heat Transfer in Wellbores", Society of Petroleum Engineers, Richardson, TX, 2002.	

Examiner Signature		Date Considered	2/9/06
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Application Number	10/655,777
Filing Date	September 5, 2003
First Named Inventor	Thomas L. Beck
Art Unit	2811
Examiner Name	Sayol
Attorney Docket Number	6514

(Use as many sheets as necessary)

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Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
LA	AU	US 4,286,925	09/01/1981	Standish	
LA	AV	US 4,363,605	12/14/1982	Mills	
LA	AW	US 4,390,321	06/28/1983	Langlois et al.	
LA	AX	US 4,406,122	09/27/1983	McDuffie	
LA	AY	US 4,438,628	03/27/1984	Creamer	
LA	AZ	US 4,474,002	10/02/1984	Perry	
LA	BA	US 4,476,418	10/09/1984	Werner	
LA	BB	US 4,480,960	11/06/1984	Streib	
LA	BC	US 4,483,188	11/20/1984	McTamaney et al.	
LA	BD	US 4,487,061	12/11/1984	McTamaney et al.	
LA	BE	US 4,490,094	12/25/1984	Gibbs	
LA	BF	US 4,507,055	03/26/1985	Fair et al.	
LA	BG	US 4,508,487	04/02/1985	Taylor et al.	
LA	BH	US 4,508,488	04/02/1985	Pikna	
LA	BI	US 4,509,901	04/09/1985	McTamaney et al.	
LA	BJ	US 4,534,168	08/13/1985	Brantly	
LA	BK	US 4,534,706	08/13/1985	Palm et al.	
LA	BL	US 4,541,274	09/17/1985	Purcupile	
LA	BM	US 4,583,915	04/22/1986	Montgomery et al.	
LA	BN	US 4,584,665	06/10/1986	Chandra et al.	

[illegible]Date
Considered

2/9/00

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Substitute for form 1449/APTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete If Known	
				Application Number	10/655,777
				Filing Date	September 5, 2003
				First Named Inventor	Thomas L. Beck
				Art Unit	2811
				Examiner Name	Sayol
				Attorney Docket Number	6514
Sheet	4	of	6		

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
BO	US 4,631,954	12/30/1986	Mills		
BP	US 4,661,751	04/28/1987	Werner		
BQ	US 4,681,167	07/21/1987	Soderberg		
BR	US 4,695,779	09/22/1987	Yates		
BS	US 4,741,397	05/03/1988	Weeks		
BT	US 4,747,451	05/21/1988	Adams Jr. et al.		
BU	US 4,830,112	05/16/1989	Erickson		
BV	US 4,859,151	08/22/1989	Reed		
BW	US 4,873,635	10/10/1989	Mills		
BX	US 4,935,685	06/19/1990	Justus et al.		
BY	US 4,971,522	11/20/1990	Butlin		
BZ	US 4,973,226	11/27/1990	McKee		
CA	US 5,006,044	04/09/1991	Walker Sr. et al.		
CB	US 5,044,888	09/03/1991	Hester II		
CC	US 5,064,349	11/12/1991	Turner et al.		
CD	US 5,129,267	07/14/1992	Nicholls		
CE	US 5,167,490	12/01/1992	McKee et al.		
CF	US 5,180,289	01/19/1993	Wenholz et al.		
CG	US 5,204,595	04/20/1993	Opal et al.		
CH	US 5,222,867	06/29/1993	Walker Sr. et al.		

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Examiner Signature		Date Considered	2/9/06
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/655,777
				Filing Date	September 5, 2003
				First Named Inventor	Thomas L. Beck
				Art Unit	2811
				Examiner Name	Saya
				Attorney Docket Number	6514
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U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
BS	CI	US 5,224,834	07/06/1993	Westerman et al.	
BS	CJ	US 5,230,607	07/27/1993	Mann	
BS	CK	US 5,237,883	08/24/1993	Dunham	
BS	CL	US 5,248,076	09/21/1993	Watson	
BS	CM	US 5,251,696	10/12/1993	Boone et al.	
BS	CN	US 5,252,031	10/12/1993	Gibbs	
BS	CO	US 5,281,100	01/25/1994	Diederich	
BS	CP	US 5,284,422	02/08/1994	Turner et al.	
BS	CQ	US 5,318,085	05/31/1994	Dawson	
BS	CR	US 5,318,409	06/07/1994	London et al.	
BS	CS	US 5,362,206	11/08/1994	Westerman et al.	
BS	CT	US 5,372,482	12/13/1994	London et al.	
BS	CU	US 5,425,623	08/20/1995	London et al.	
BS	CV	US 5,441,389	08/15/1995	Wolcott et al.	
BS	CW	US 5,444,609	08/22/1995	Swamy et al.	
BS	CX	US 5,458,466	10/17/1995	Mills	
BS	CY	US 5,634,522	06/03/1997	Hershberger	
BS	CZ	US 5,819,849	10/13/1998	Booth	
BS	DA	US 5,823,262	10/20/1998	Dutton	
BS	DB	5,829,530	11/03/1998	Nolen	

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Examiner Signature	<i>D. J. [Signature]</i>	Date Considered	2/9/06
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Sheet	6
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of

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Application Number

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Filing Date

September 5, 2003

First Named Inventor

Thomas L. Beck

Art Unit

2811

Examiner Name

6514 Sayoc

Attorney Docket Number

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[illegible][illegible]

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